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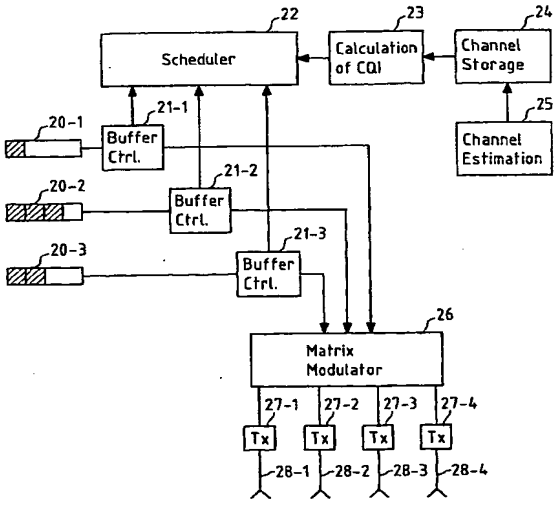
(54) Title: EXPLOITING SELECTION DIVERSITY IN COMMUNICATIONS SYSTEMS WITH NON-ORTHONORMAL MATRIX AND VECTOR MODULATION



(57) Abstract: The invention relates to methods for scheduling at least one out of K transmission channels k with respective $N_{t,k}$ transmission interfaces and respective $N_{r,k}$ reception interfaces for the transmission of data symbols that are matrix or vector modulated, said method comprising calculating a respective Channel Quality Indicator (CQI) q_k for at least one of said K transmission channels, and scheduling at least one of said K transmission channels for the transmission of said matrix or vector modulated data symbols, wherein said scheduling is at least partially based on said calculated CQIs q_k. The invention further relates to devices, transmitting stations, wireless communication systems, computer programs and computer program products.

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